1 Introduction

1.1 System Overview

CPU	• Intel Pentium M Processor **1.4GHz/1.6GHz in µ-FCPGA package** • FSB 400MHz • CPU Thermal ceiling: 24.5W
Core logic	Intel 855GM Chipset + ICH4-M
L2 Cache	On-die 1MB L2 Cache
System BIOS	512KB Flash EEPROM • Includes System BIOS, VGA BIOS, plug & play, and ACPI 2.0 capability • Boot from IDE devices CD-ROM • Suspend to DRAM / HDD • PC2001 compliance
Memory	Two 200-pin PC2100 DDR SODIMM socket for memory expansion Supports 200MHz and 266MHz DDR devices Max.: 1 GB
VGA Controller	855GM integrate graphics controller Integrated 32-bit 3D/2D gfx core with Dynamic Video Memory Technology • Support DirectX® 8.1 • Support AGP 4X • Dual View function • LCD/CRT simultaneous display capability
Video Memory	Shared system memory 64MB
Structure	3-spindle
Bay 1 Modules	Swappable for CD-ROM, DVD, FDD, Bay1 Battery, 2nd HDD, Combo drive, DVD-RW
HDD	Integrated, Support Ultra DMA 2.5” 9.5mm height
Display	• 12.1” / 13.3” TFT XGA LCD resolution: 1024x768 • Optional 12.1” Touch Screen; Sunlight readable (Transflective LCD) for 12.1” only • **Optional 14.1” TFT XGA LCD (design in antennas for WLAN and wireless modem)**
Keyboard	• Shower-proof and dust-proof rubber Keyboard • Optional LED Back-Light Rubber Keyboard
Pointing Device	• A touch-sensitive control pad with Microsoft Win Mouse function coexist • Optional support Glove Used Touch Pad
PCMCIA Card	• Type III×1 or Type II ×2 in Bay1 • ExCA/ZV/CardBus compatible
I/O Port	• Serial port × 1 • Parallel port (EPP/ECP) × 1 • RJ-11 × 1 • RJ-45 × 1 • VGA monitor port × 1 • USB2.0 × 2 • DC input × 1 • IrDA port × 1 • Port Replicator port × 1 • IEEE 1394 Port × 1 • Mic-In and Line-Out
Battery	Primary Li-Ion Type without 2nd Battery for 3.0 hours Bay1 Li-Ion Smart Battery

	Bay2 Li-Ion Smart Battery
AC adapter	Universal AC adapter -Input: 100-240v, 50/60Hz AC
Communication	• 10/100 Base-T LAN • 56K, V90. Modem • 802.11b Wireless LAN (Optional) (Supports Intel PRO/Wireless 2100 LAN mini-PCI type 3B adapter and Intel PROset software) • Wireless Modem (GSM/GPRS,DataTAC, CDMA, iDEN) (Optional)
Cooling	Fan less
Security	Kensington Lock Slot
Dimensions	310(W) x255 (D) x70 (H) mm
Weight	5.45 Kg (12 lbs)
Software	Support Windows 2000 /Windows XP

5 Environment Specification

Environmental Standard (Main System)	
Temperature	IEC 68-2-1,2,14 / MIL-STD-810F, Method 501.4, 502.4 Operating: **Standard: 0°C to 55°C** **Optional: -20°C to 55°C** Non-operating: -40°C to 70°C (Tested)
Humidity	According to IEC 68-2-30 / MIL-STD-810F, Method 507.4 5% to 95% RH, non-condensing
Altitude	According to IEC 68-2-13 / MIL-STD-810F, Method 500.4 Operating: 15,000ft Non-operating: 40,000ft altitude change rate: 2,000 ft/min
Shock	According to IEC 68-2-27 / MIL-STD-810F, Method 516.5 Operating: 15g, 11 ms, half sine wave Non-operating: 50g, 11 ms, half sine wave
Vibration	According to IEC 68-2-6 Sinusoidal wave vibration: Operating: 10~55Hz/0.075mm, 55~500Hz/1.0g Non-operating: 10~55Hz/0.15mm, 55~500Hz/2.0g According to MIL-STD-810F, 514.5 Random: High way truck vibration exposure
Drop	According to IEC 68-2-32 / MIL-STD-810F, Method 516.5 • 3 feet height free drop • Test surface: steel plate (for base unit only)
ESD	According to IEC1000-4-2 Air Discharge: 0KV~8KV(included), no any error 8KV~15KV, allow soft error Contact Discharge: 0KV~4KV(included), no any error 4KV~8KV, allow soft error
Enclosure	According to IEC 529, MIL-STD-810F, IP54
Regulation	FCC part 15, Subpart B, Class B, UL, CUL, TUV, CE, CCC, Windows logo
Bay 2 Modules	• 2nd PCMCIA – Removable Type III×1 or Type II×2 Module • COM Port Module - Removable Sealed Water Proof RS-232, 422 or 485 Module • DGPS – DGPS Module • Bay2 Battery Pack – Removable and Rechargeable Li-Ion Battery Pack • Wireless Modem (GSM/GPRS,DataTAC, CDMA, iDEN)
Options	**Removable Options:** • Expansion unit (PCI/ISA) • Port replicator (SIOx2, PIOx1, USBx4, VGAx1, DC input, Power switch) • Carrying Bag • Shock Mount • External battery charger (2-pcs and 3-pcs) • 11-16VDC 120W car adapter • 22-32VDC 120W car adapter • Bay-2 options • Bay-1 options

	Factory Options: • 802.11b Wireless LAN • HDD heater for -20°C low temperature • 12.1” touch screen • 12.1” transflective LCD • Backlight rubber keyboard

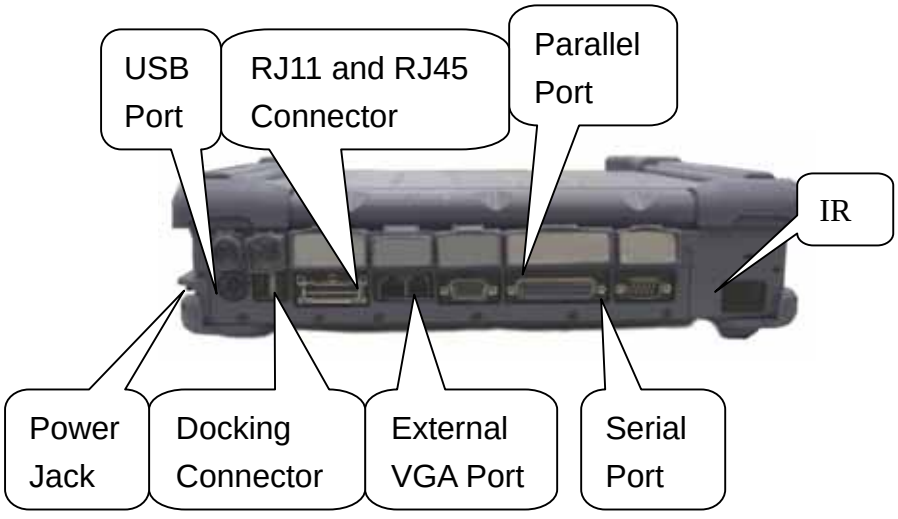
6 System View

6.1 Front View

6.2 Left-Side View

6.3 Right-side View

6.4 Rear View



6.5 Top-Open View

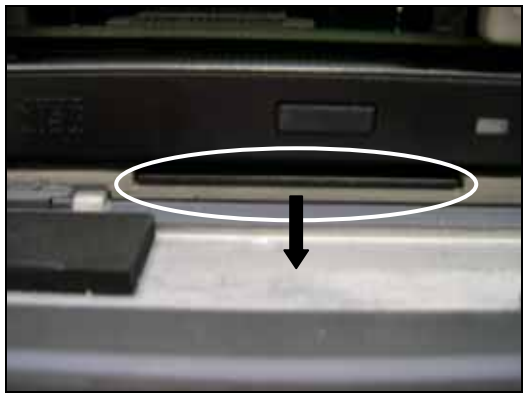
7 System Disassembly & Reassemble

7.1 FDD Driver or CD- ROM Driver

Disassembly Step:

1. Loosen the BAY1 door three shoulder screws and open the door.
2. Push block ejector handle then pull out the handle outward about 3 cm.
3. Take out FDD Driver or CD-ROM driver.

Step1



Step2

Step3

Step4

Reassemble Step:

1. Install FDD driver or CD-ROM driver to the BAY1.
2. Push block ejector handle to oppose direction.
3. Close the BAY1 door then secured three shoulder screws.

7.2 HDD Drive

Disassembly Step:

1. Loosen the HDD box's two shoulder screws.
2. Pull the HDD box out.

Step1

Step2

Reassemble Step:

1. Install the HDD box.
2. Secured the two shoulder screws.

7.3 Primary Battery and BAY1 option

Disassembly Step:

1. Loosen four shoulder screws
2. Pull the battery out.
3. Open the BAY1 door and pull the option out.

Step1

Step2

Step3

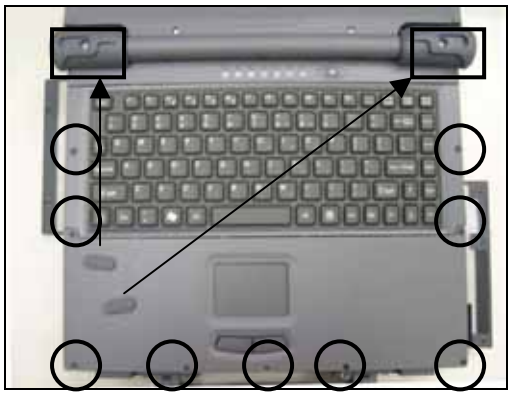
Reassemble Step:

1. Install the battery then secured two shoulder screws.
2. Install the BAY1 option then close door and secured shoulder two screws.

7.4 PCMCIA Board and D/D Board

Disassembly Step:

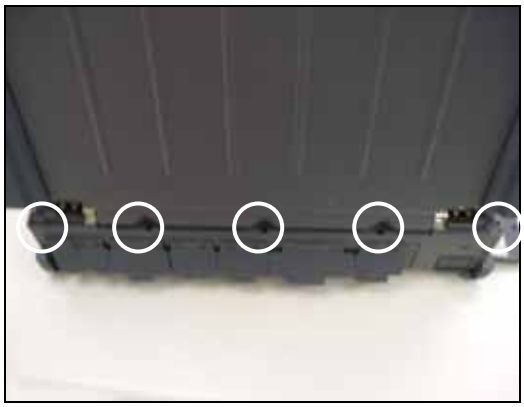
1. Remove all peripheral device.
2. Remove two rubber screw covers, two screws and two hinge rubber caps.
3. Remove nine screws.
4. Remove five screws then open the chassis cover.
5. Remove three screws and BAY2 battery charge cable on the upper D/D board then lift up the upper D/D board carefully.
6. Remove two speaker cables and five screws.
7. Carefully lift up the PCMCIA board.
8. Remove battery cap assy.
9. Remove four screws and cap charger then carefully lift up the below D/D board.



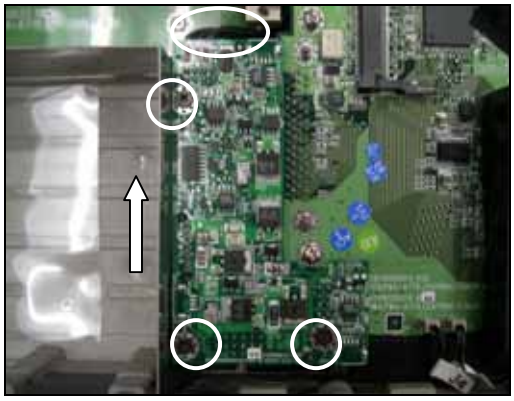
Step1

Step2

Step3



Step4



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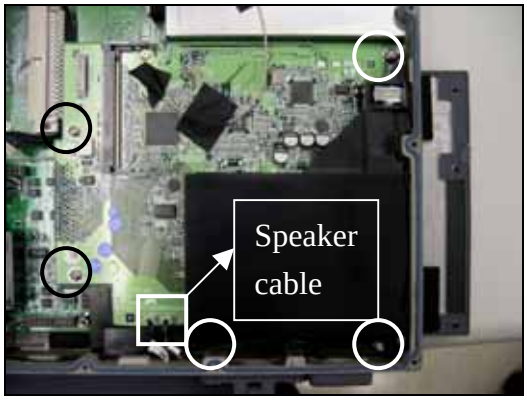

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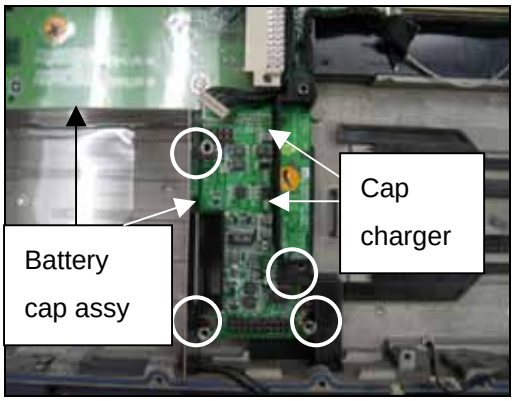


Step7

Reassemble Step:

1. Carefully Install the below D/D board and make sure every pin on the M/B is connected D/D board correctly.
2. Secured four screws and install cap charger, battery cap assy correctly.
3. Carefully installs PCMCIA board, connect speaker cable and secured five screws.
4. Connect BAY2 battery charge cable to upper D/D board first then install the upper D/D board and secured three screws.
5. Close the chassis cover and secured all screws, hinge holder and hinge rubber.

7.5 Modem Board

Disassembly Step:

1. Remove two screws and disconnect the Modem cable from Mother board.
2. Slightly lift up the Modem Board from the Mother board.

Step1

Reassemble Step:

1. Carefully plug the Modem board into the Mother board.
2. Secured two screws and connect the Modem cable.

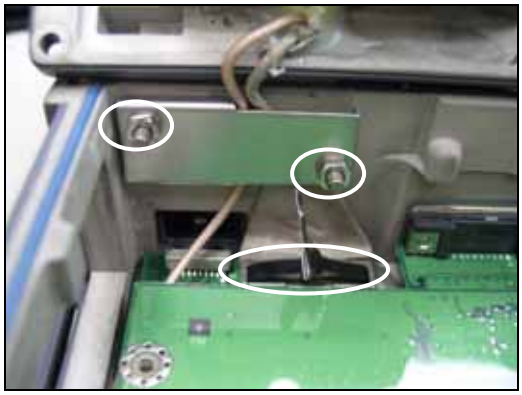
7.6 Mother board

Disassembly Step:

1. Remove all peripheral device.
2. Remove PCMCIA board, D/D board and Modem board.
3. Disconnect Keyboard cable, Inverter board cable and LED indicator cable.
4. Remove two screws and disconnect the VGA cable then remove whole LCD panel module.
5. Remove three screws on the left of Mother board.
6. Remove three screws and CAP CDR then lift up the HDD cap ASSY.
7. Carefully put the notebook upside down then remove three screws.
8. Transfer the notebook to back then remove eight screws and lift up Mother board.

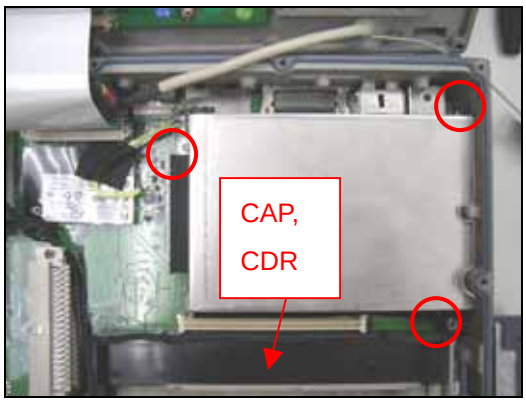
Step1

Step2

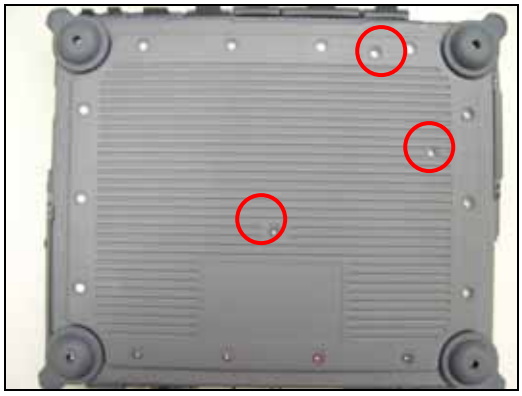


Step3

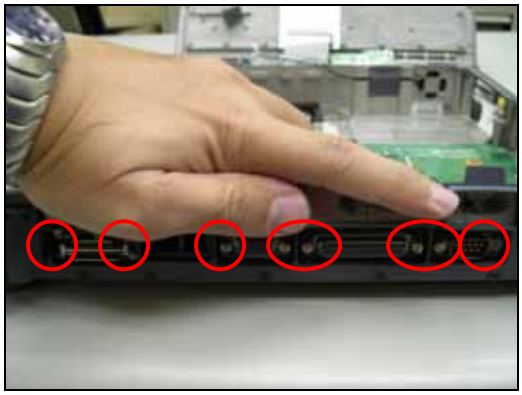
Step4



Step5



Step6



Step7

Reassemble Step:

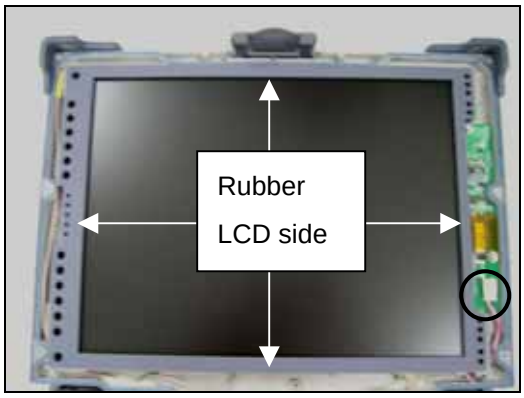
1. Place the Mother board to the housing and transfer the notebook to back then secured eight screws.
2. Put the notebook upside down and secured three screws.
3. Place the HDD cap ASSY and CAP CDR then secured three screws.
4. Secured three screws on the left of Mother board.
5. Connect VGA cable and secured two screws that fix VGA cable.
6. Connect Keyboard cable, Inverter board cable and LED indicator cable.
7. Reassemble Modem board, PCMCIA board, D /D board.
8. Reassemble all peripheral.

7.7 LCD panel

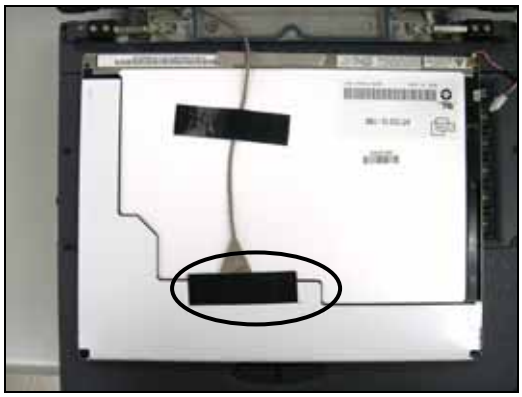
Disassembly Step:

1. Remove two hinges rubber cap.
2. Remove two screw rubbers and nine screws then open LCD cover.
3. Disconnect Inverter BD cable and remove “ rubber LCD side “.
4. Disconnect LCD panel cable

Step1



Step2



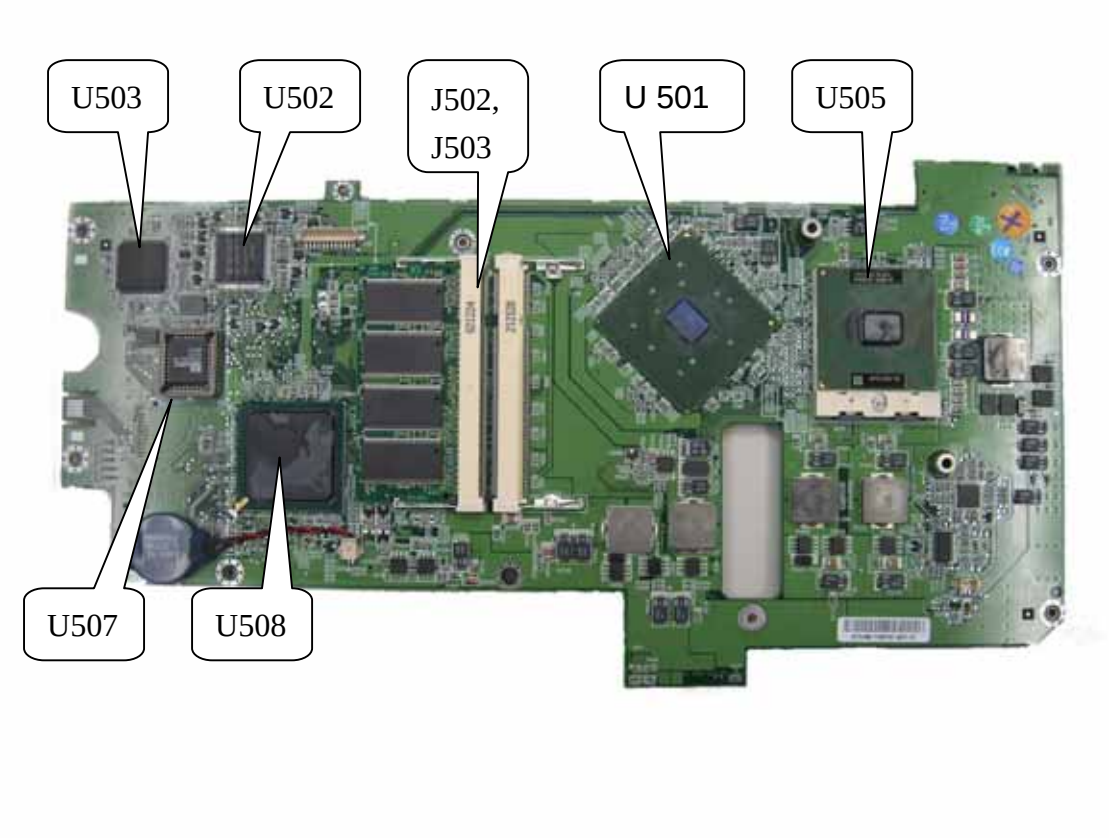
Step3

Reassemble Step:

1. Connector LCD panel cable.
2. Install LCD panel to “ rubber LCD side “then connector inverter BD cable.
3. Close LCD cover then secured nine screws and two screws rubber.
4. Install two hinges rubber cap.

8 Location of Connectors & Major Components

8.1 Centrino Mother Board – A



U505: Intel Pentium M Processor

U501: Intel 855GM Chipset

J502: DDR SODIMM socket

J503: DDR SODIMM socket

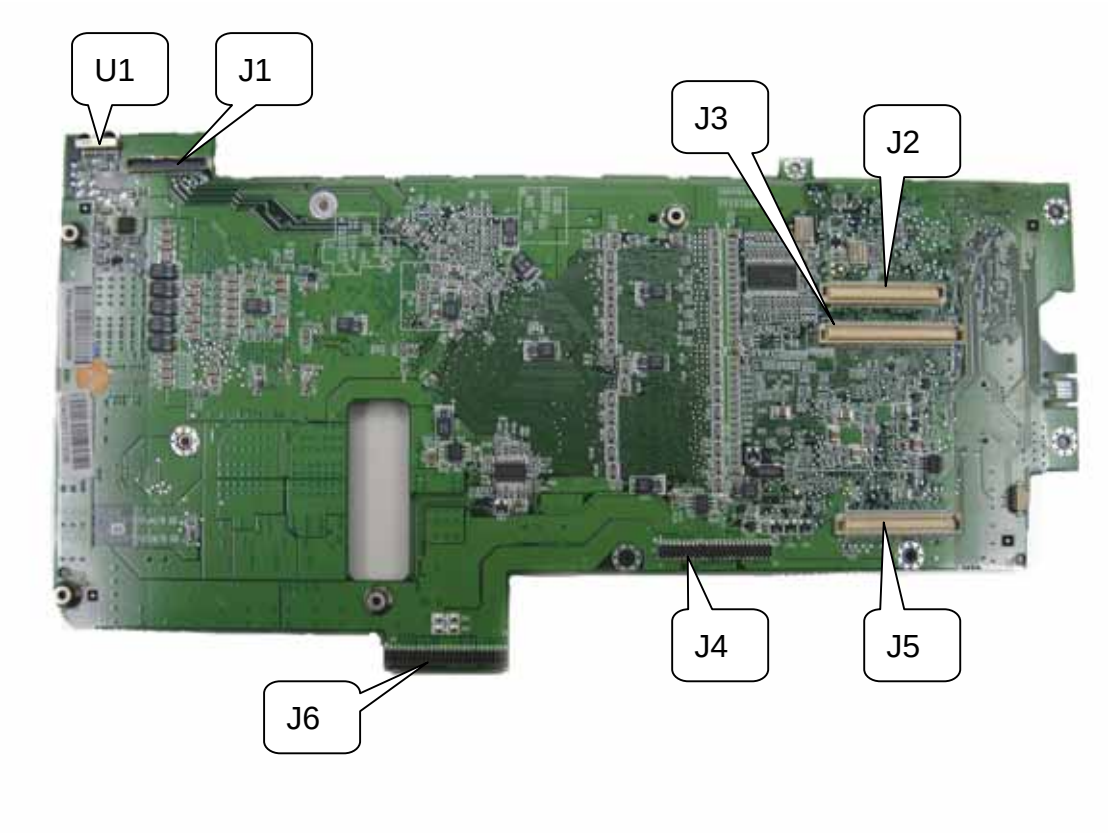
U502: Keyboard BIOS

U503: Super I/O.

U507: System BIOS

U508: Intel 82801DBM I/O Controller

8.2 Centrino Mother Board - B



J2: Connect to Centrino I/O BD

J3: Connect to Centrino I/O BD

J1: VGA connector

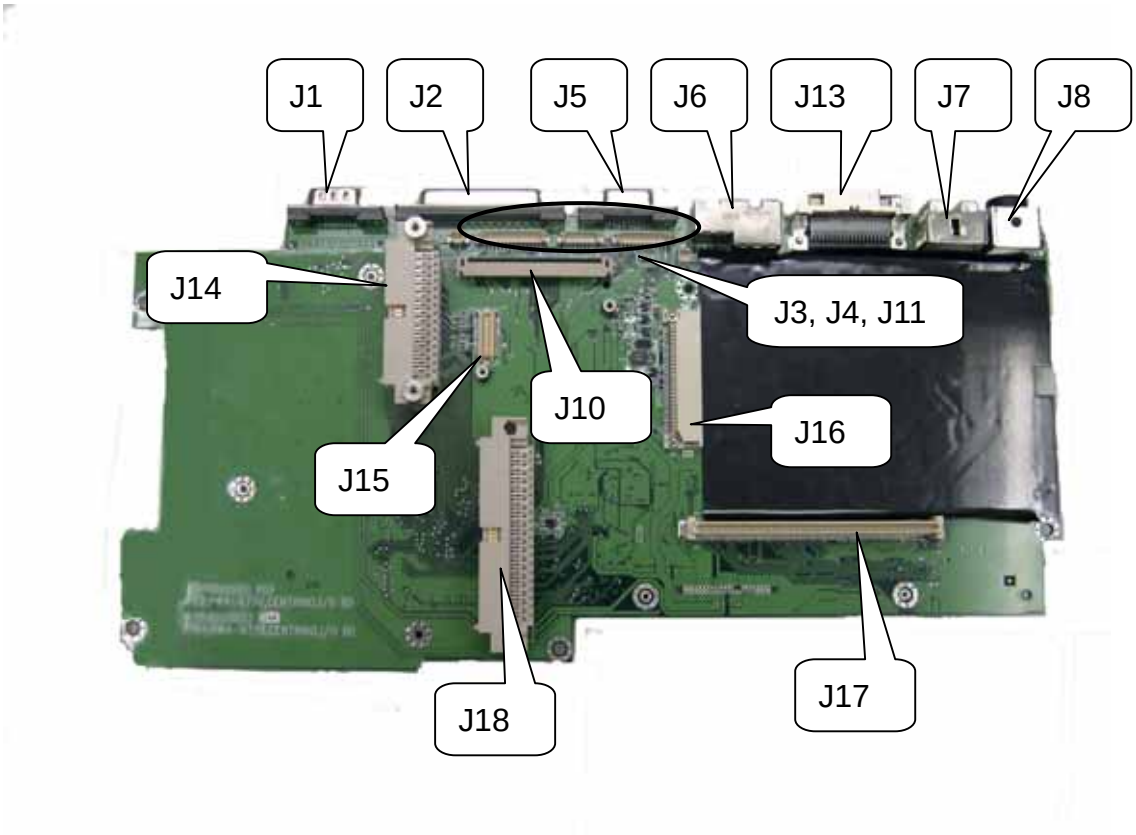
U1: IrDA port

J6: Connect to D/D BD

J4: Connect to Centrino I/O BD

J5: Connect to Centrino I/O BD

8.3 Centrino I/O Board - A



J8: Power Jack

J7: USB port x 2

J13: Port Replicator

J6: LAN and Modem port

J5: External VGA port

J2: Parallel port

J1: Serial port

J14: Bay2 option connector

J15: Modem board connector

J18: Bay2 option connector

J10: Keyboard connector

J3: LED board connector

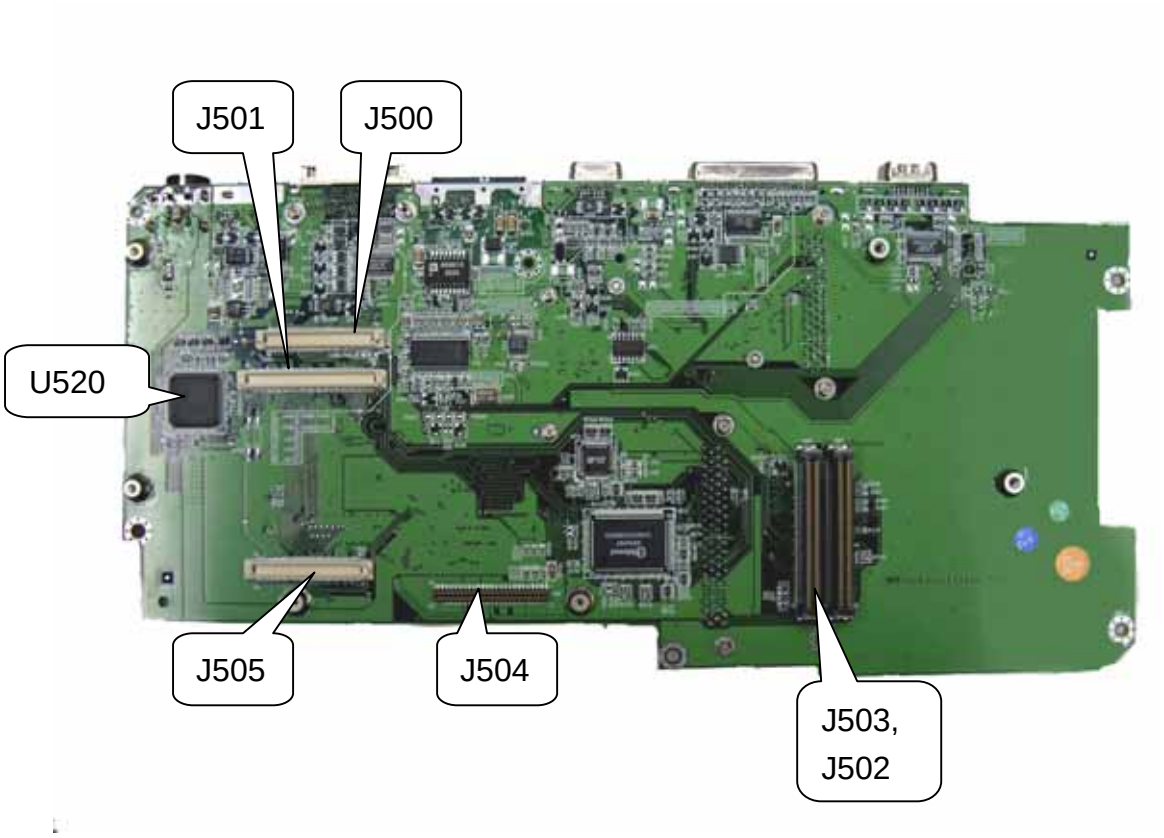
J4: Inverter board connector

J11: Touch screen connector

J17: PCMCIA BD connector

J16: HDD connector

8.4 Centrino I/O Board - B



J500: Connect to Centrino M/B

J501: Connect to Centrino M/B

U520: Super I/O

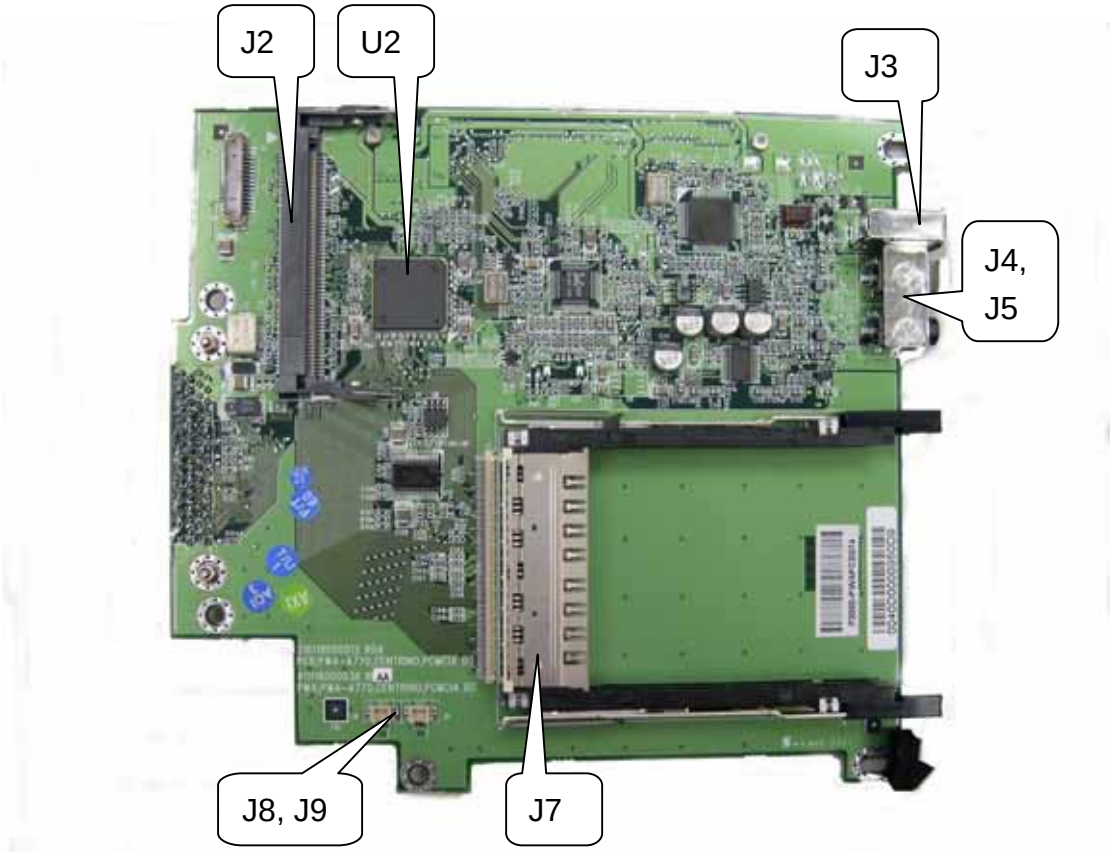
J505: Connect to Centrino M/B

J504: Connect to Centrino M/B

J503: Expansion unit PCI connector

J502: Expansion unit PCI connector

8.5 PCMCIA Board – A



J3: IEEE 1394 port

U2: PCMCIA control chip

J2: Mini PCI socket

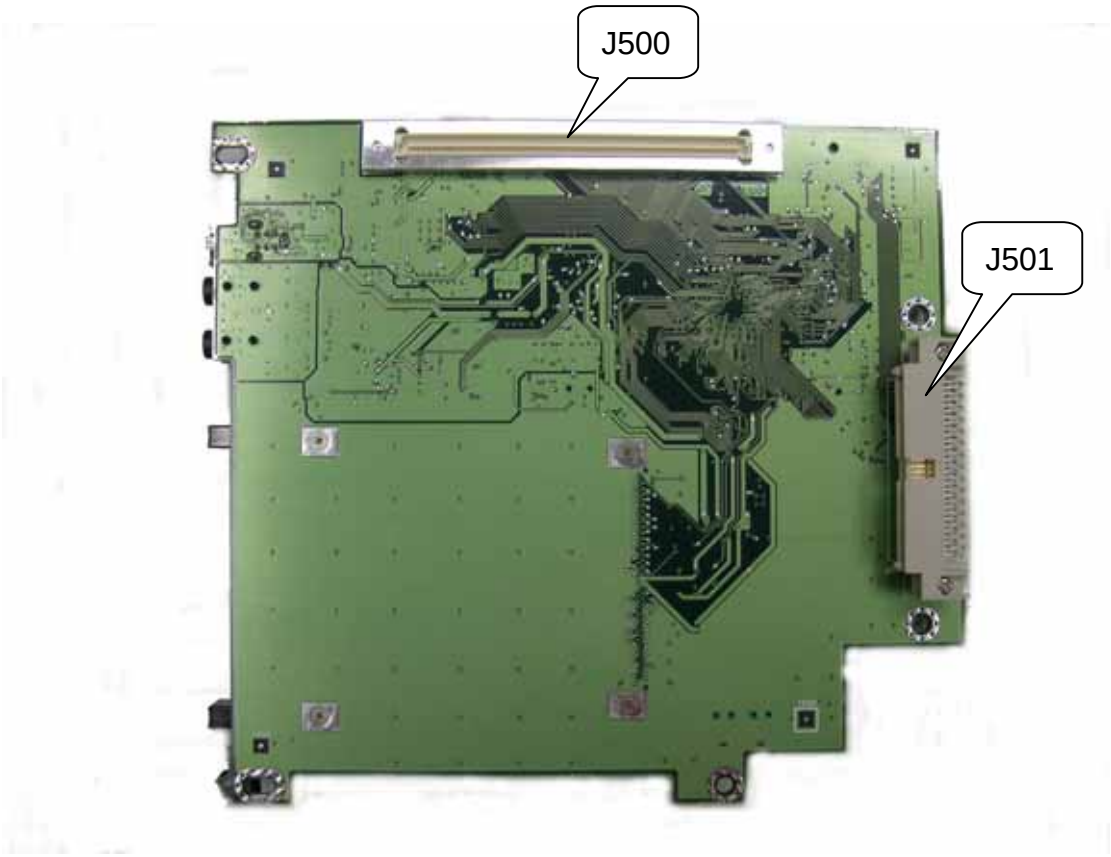
J8, J9: Speaker connector

J7: PCMCIA card socket

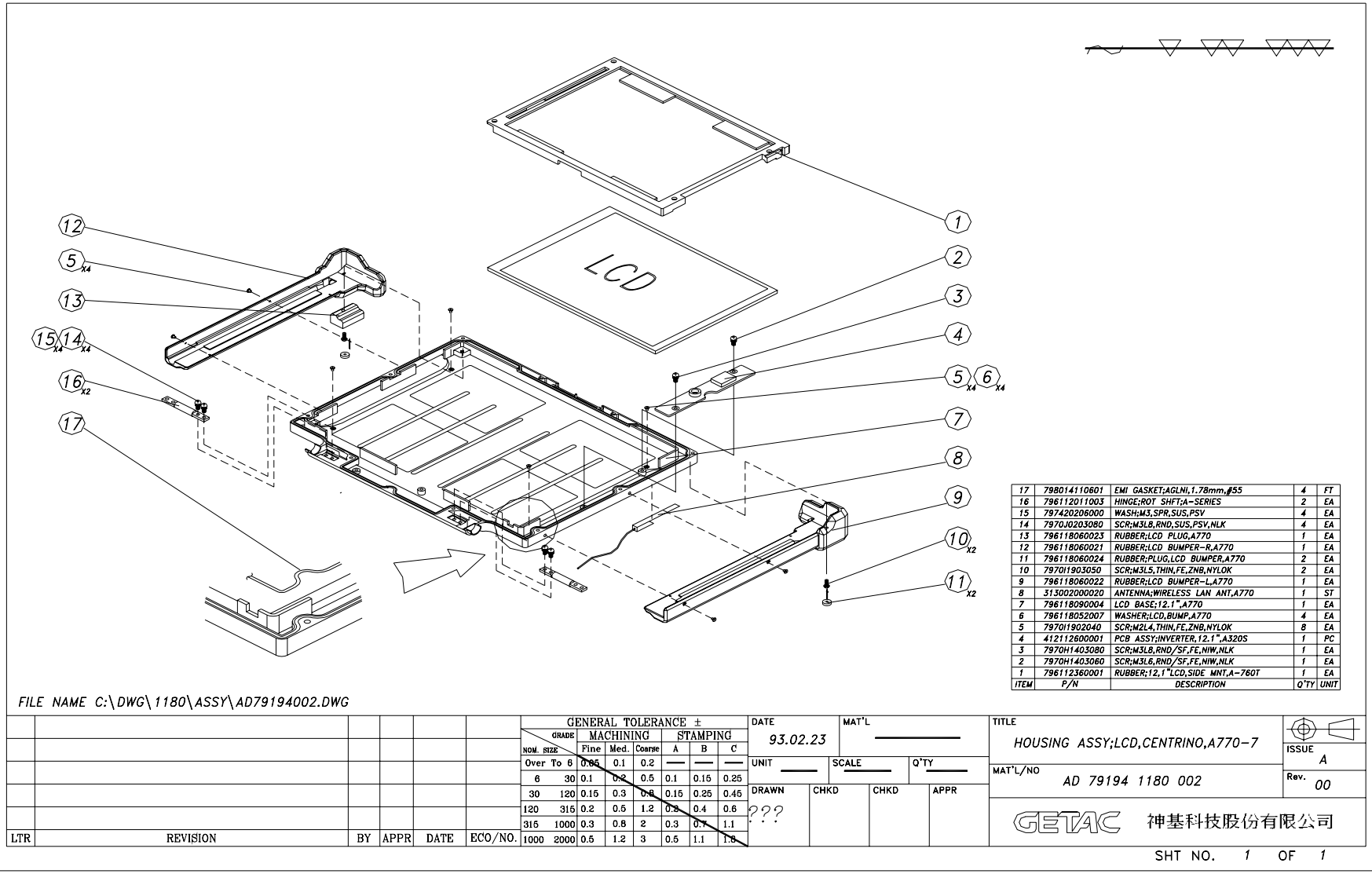
J4: MIC in

J5: line out port

8.6 PCMCIA Board - B



J500: Connect to Centrino I/O BD J501: Bay1 option connector



ITEM	P/N	DESCRIPTION	Q'TY	UNIT
17	7980141106O1	EMI GASKET;AGLNI,1.78mm,#55	4	FT
16	7961120110O3	HINGE;ROT SHFT;A-SERIES	2	EA
15	797420206000	WASH;M3,SPR,SUS,PSV	4	EA
14	7970J0203080	SCR;M3L8,RND,SUS,PSV,NLK	4	EA
13	796118060023	RUBBER;LCD PLUG,A770	1	EA
12	796118060021	RUBBER;LCD BUMPER-R,A770	1	EA
11	796118060024	RUBBER;PLUG,LCD BUMPER,A770	2	EA
10	7970119030S0	SCR;M3L5,THIN,FE,ZNB,NYLOK	2	EA
9	796118060022	RUBBER;LCD BUMPER-L,A770	1	EA
8	313002000020	ANTENNA;WIRELESS LAN ANT,A770	1	ST
7	796118090004	LCD BASE;12.1",A770	1	EA
6	796118052007	WASHER;LCD,BUMP,A770	4	EA
5	7970119020 40	SCR;M2L4,THIN,FE,ZNB,NYLOK	8	EA
4	412112600001	PCB ASSY;INVERTER,12.1",A320S	1	PC
3	7970H1403080	SCR;M3L8,RND/SF,FE,NIW,NLK	1	EA
2	7970H1403060	SCR;M3L6,RND/SF,FE,NIW,NLK	1	EA
1	796123600001	RUBBER;12.1"LCD,SIDE MNT,A-760T	1	EA

FILE NAME C:\DWG\1180\ASSY\AD79194002.DWG

LTR	REVISION	BY	APPR	DATE	ECO/NO.

GENERAL TOLERANCE ±

NOM. SIZE	GRADE: MACHINING Fine	MACHINING Med.	MACHINING Coarse	STAMPING A	STAMPING B	STAMPING C
Over To 6	0.05	0.1	0.2	—	—	—
6 30	0.1	0.2	0.5	0.1	0.15	0.25
30 120	0.15	0.3	0.8	0.15	0.25	0.45
120 315	0.2	0.5	1.2	0.2	0.4	0.6
315 1000	0.3	0.8	2	0.3	0.7	1.1
1000 2000	0.5	1.2	3	0.5	1.1	1.8

DATE 93.02.23 | MAT'L | UNIT | SCALE | Q'TY | DRAWN ??? | CHKD | CHKD | APPR

TITLE: HOUSING ASSY;LCD,CENTRINO,A770-7

ISSUE A

MAT'L/NO: AD 79194 1180 002

Rev. 00

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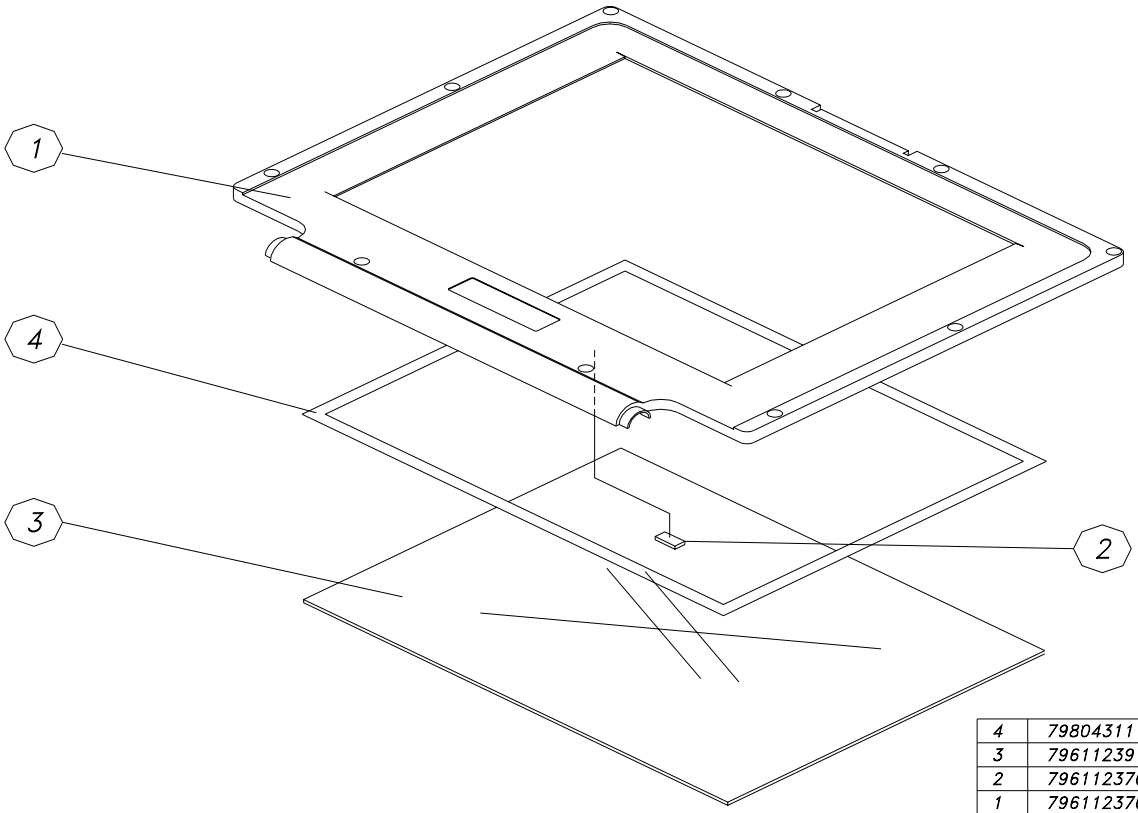
SHT NO. 1 OF 1

Figure 1 Housing Assy; LCD, CENTRINO, A770-7



ITEM	P/N	DESCRIPTION	Q'TY	UNIT
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3	796112391002	LCD COVER;12.1",REED SWITCH,A760T	1	EA
2	796112370003	MAGNET;11.9*5.9*2MM,2000GAUSS	1	EA
1	796112370001	TEMPERED GLASS;262*201*2,A760T	1	PC

FILE NAME C:\DWG\1180\ASSY\AD79194051.DWG

LTR	REVISION	BY	APPR	DATE	ECO/NO.

GENERAL TOLERANCE ±

NOM. SIZE \ GRADE	MACHINING Fine	MACHINING Med.	MACHINING Coarse	STAMPING A	STAMPING B	STAMPING C
Over To 6	0.05	0.1	0.2	—	—	—
6 30	0.1	0.2	0.5	0.1	0.15	0.25
30 120	0.15	0.3	0.8	0.15	0.25	0.45
120 315	0.2	0.5	1.2	0.2	0.4	0.6
315 1000	0.3	0.8	2	0.3	0.7	1.1
1000 2000	0.5	1.2	3	0.5	1.1	1.8

DATE 93.02.23 | MAT'L | UNIT | SCALE | Q'TY | DRAWN ??? | CHKD | CHKD | APPR

TITLE: COVER ASSY;LCD,CENTRINO,A770-7

ISSUE A | Rev. 00

MAT'L/NO AD 79194 1180 051

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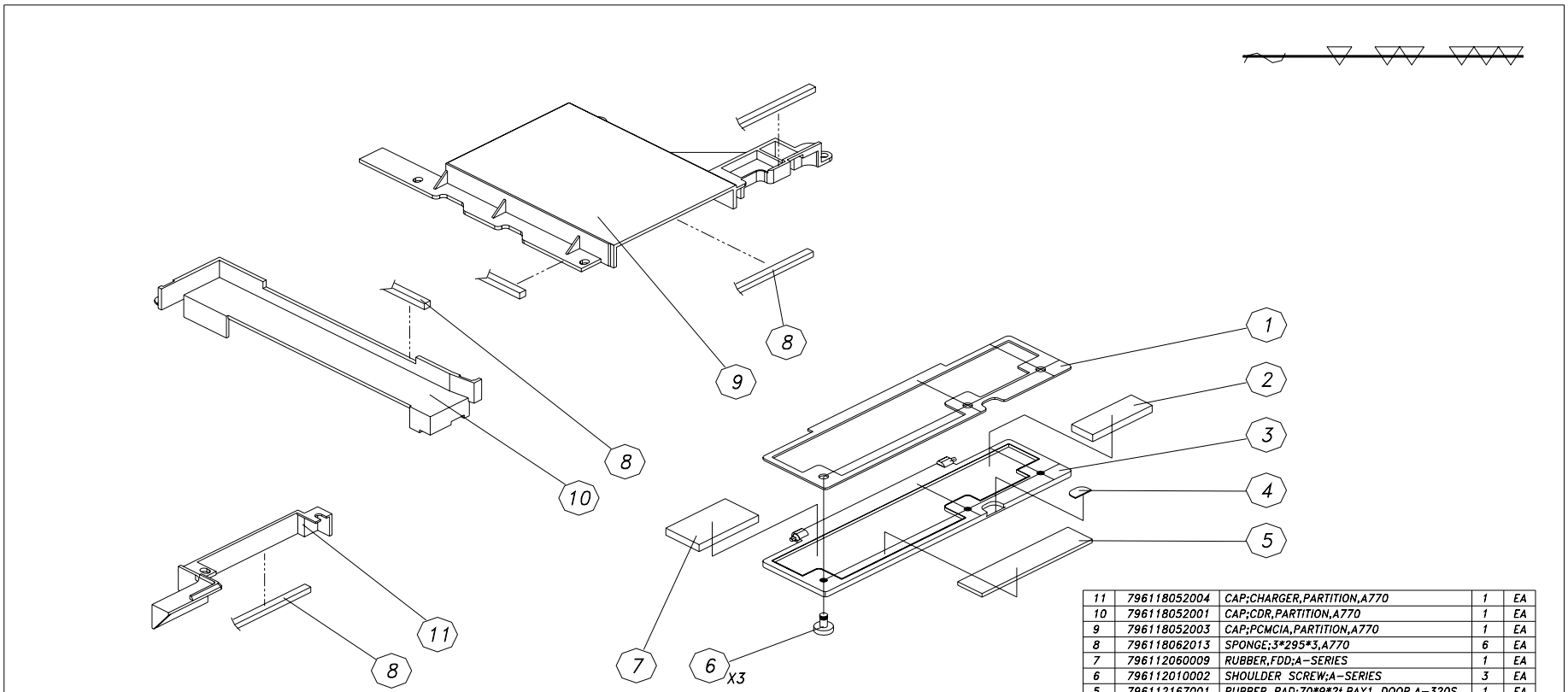
SHT NO. 1 OF 1

Figure 2 Cover Housing Assy; LCD, CENTRINO, A770-7



ITEM	P/N	DESCRIPTION	Q'TY	UNIT
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10	796118052001	CAP;CDR,PARTITION,A770	1	EA
9	796118052003	CAP;PCMCIA,PARTITION,A770	1	EA
8	796118062013	SPONGE;3*295*3,A770	6	EA
7	796112060009	RUBBER,FDD;A-SERIES	1	EA
6	796112010002	SHOULDER SCREW;A-SERIES	3	EA
5	796112167001	RUBBER PAD;70*9*2t,BAY1 DOOR,A-320S	1	EA
4	796112160003	RUBBER PAD;BAY1 DOOR,A-760	1	EA
3	796112431003	DOOR;BAY1,SUS PIN,A-320T	1	EA
2	796112160002	RUBBER PAD;BAY1,A-760	1	EA
1	796112160205	RUBBER;I/O,IP54,A-760T	1	EA

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LTR	REVISION	BY	APPR	DATE	ECO/NO.

GENERAL TOLERANCE ±

NOM. SIZE \ GRADE	MACHINING Fine	MACHINING Med.	MACHINING Coarse	STAMPING A	STAMPING B	STAMPING C
Over To 6	0.05	0.1	0.2	—	—	—
6 30	0.1	0.2	0.5	0.1	0.15	0.25
30 120	0.15	0.3	0.8	0.15	0.25	0.45
120 315	0.2	0.5	1.2	0.2	0.4	0.6
315 1000	0.3	0.8	2	0.3	0.7	1.1
1000 2000	0.5	1.2	3	0.5	1.1	1.8

DATE 93.02.20 | MAT'L | UNIT | SCALE | Q'TY | DRAWN ??? | CHKD | CHKD | APPR

TITLE: HOUSING ASSY;MBD,CENTRINO,A770

ISSUE A

MAT'L/NO: AD 79191 1180 002

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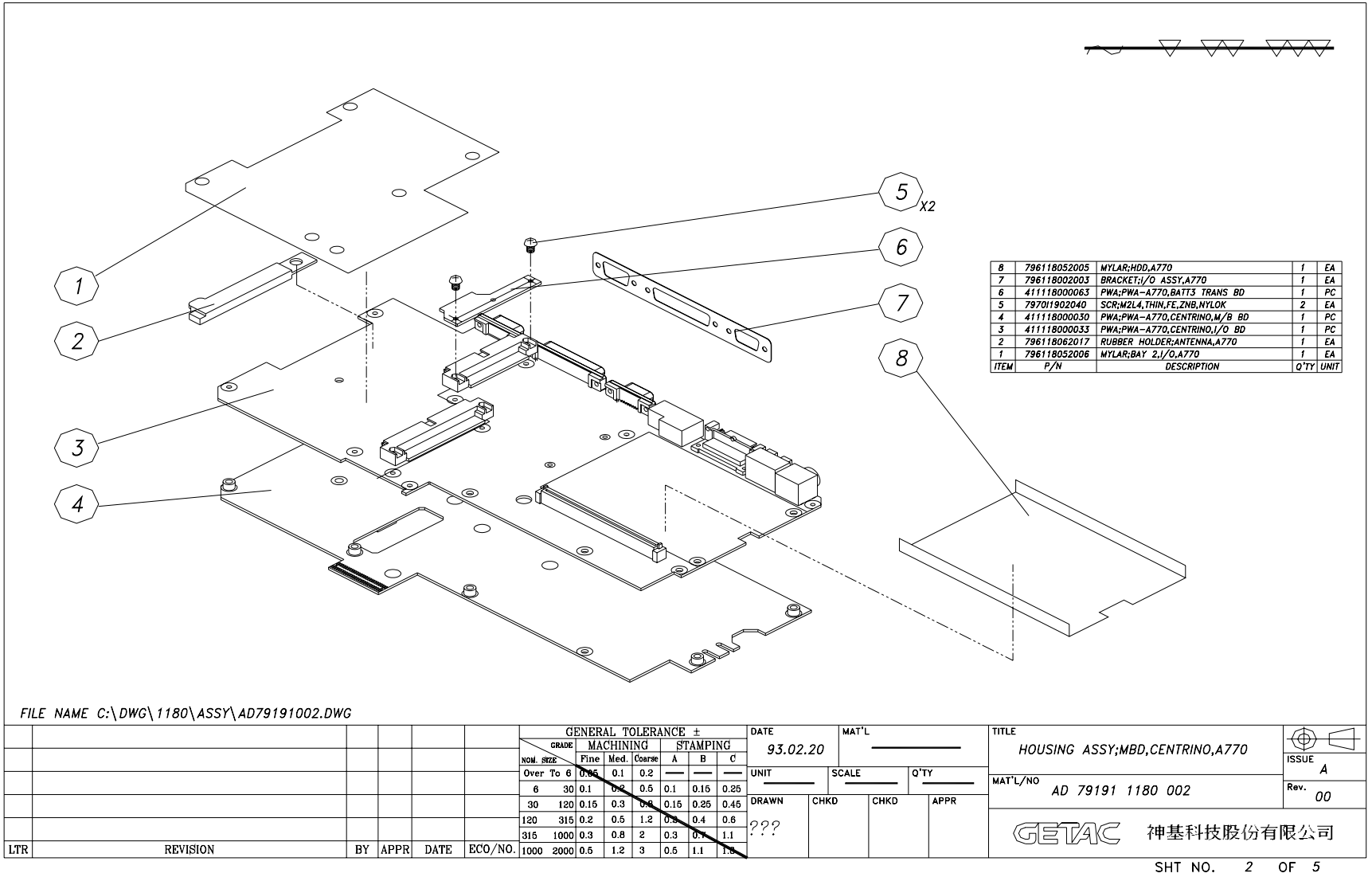
SHT NO. 1 OF 5

Figure 3 Housing Assy; MBD, CENTRINO, A770



ITEM	P/N	DESCRIPTION	Q'TY	UNIT
8	796118052005	MYLAR;HDD,A770	1	EA
7	796118002003	BRACKET;I/O ASSY,A770	1	EA
6	411118000063	PWA;PWA-A770,BATT3 TRANS BD	1	PC
5	797011902040	SCR;M2L4,THIN,FE,ZNB,NYLOK	2	EA
4	411118000030	PWA;PWA-A770,CENTRINO,M/B BD	1	PC
3	411118000033	PWA;PWA-A770,CENTRINO,I/O BD	1	PC
2	796118062017	RUBBER HOLDER;ANTENNA,A770	1	EA
1	796118052006	MYLAR;BAY 2.I/O,A770	1	EA

LTR	REVISION	BY	APPR	DATE	ECO/NO.

GENERAL TOLERANCE ±

NOM. SIZE \ GRADE	MACHINING Fine	MACHINING Med.	MACHINING Coarse	STAMPING A	STAMPING B	STAMPING C
Over To 6	0.05	0.1	0.2	—	—	—
6 30	0.1	0.2	0.5	0.1	0.15	0.25
30 120	0.15	0.3	0.8	0.15	0.25	0.45
120 315	0.2	0.5	1.2	0.2	0.4	0.6
315 1000	0.3	0.8	2	0.3	0.7	1.1
1000 2000	0.5	1.2	3	0.5	1.1	1.8

DATE 93.02.20 | MAT'L | UNIT | SCALE | Q'TY | DRAWN ??? | CHKD | CHKD | APPR

TITLE: HOUSING ASSY;MBD,CENTRINO,A770

ISSUE: A

MAT'L/NO: AD 79191 1180 002

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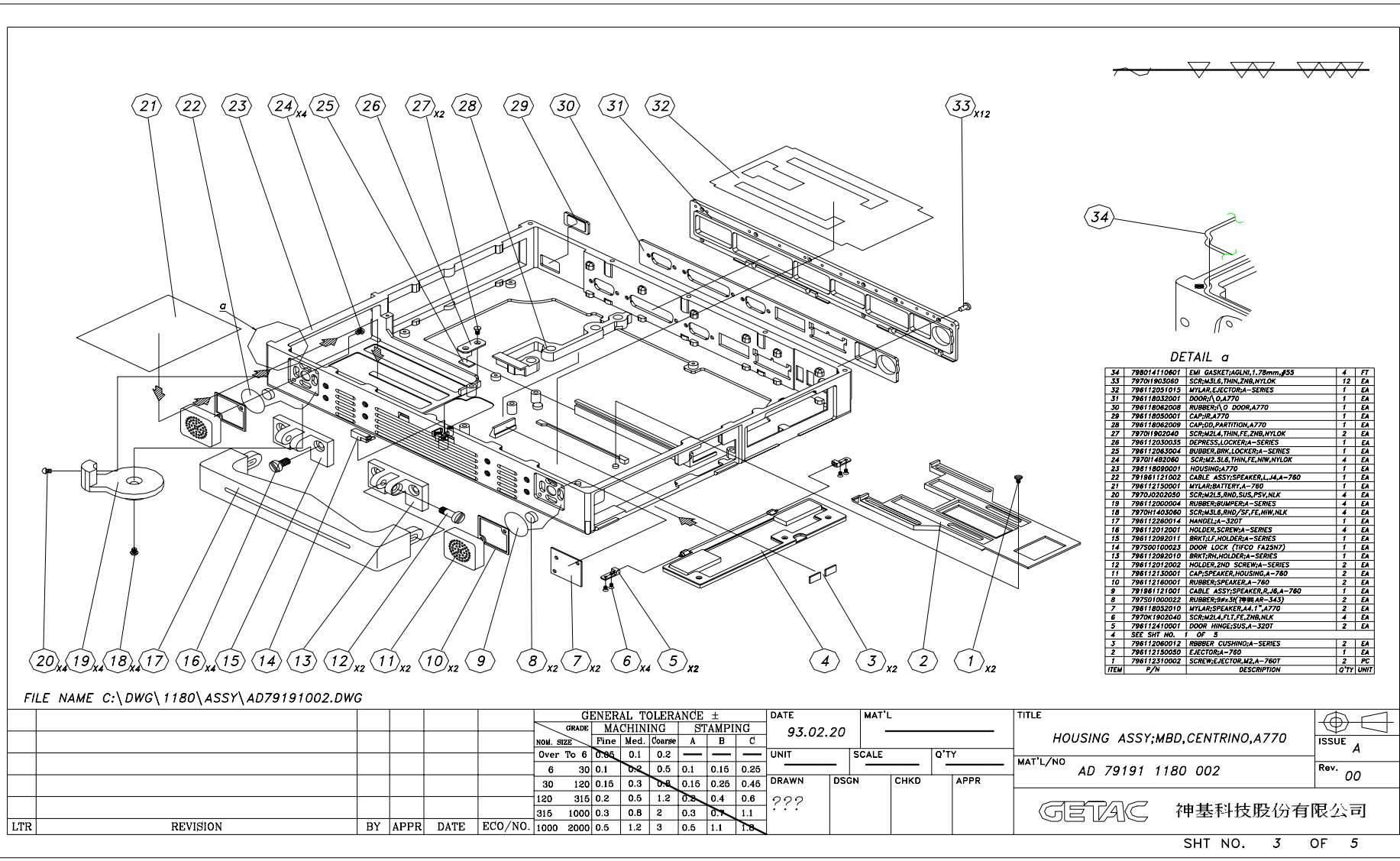
SHT NO. 2 OF 5

Figure 4 Housing Assy; MBD, CENTRINO, A770



ITEM	P/N	DESCRIPTION	Q'TY	UNIT
34	798014110601	EMI GASKET;AGLNI,1.78mm,ϕ55	4	FT
33	79701I903060	SCR;M3L6,THIN,ZNB,NYLOK	12	EA
32	796112051015	MYLAR,EJECTOR;A-SERIES	1	EA
31	796118032001	DOOR;I\O,A770	1	EA
30	796118062008	RUBBER;I\O DOOR,A770	1	EA
29	796118030001	CAP;IR,A770	1	EA
28	796118062009	CAP;DD,PARTITION,A770	1	EA
27	79701I902040	SCR;M2L4,THIN,FE,ZNB,NYLOK	2	EA
26	796112030035	DEPRESS,LOCKER;A-SERIES	1	EA
25	796112063004	BUBBER,BRK,LOCKER;A-SERIES	1	EA
24	79701I482060	SCR;M2.5L6,THIN,FE,NIW,NYLOK	4	EA
23	796118090001	HOUSING;A770	1	EA
22	791961121002	CABLE ASSY;SPEAKER,L,14,A-760	1	EA
21	796112150001	MYLAR;BATTERY,A-760	1	EA
20	7970J0202050	SCR;M2L5,RND,SUS,PSV,NLK	4	EA
19	796112000004	RUBBER;BUMPER;A-SERIES	4	EA
18	7970H1403060	SCR;M3L6,RND/SF,FE,NIW,NLK	4	EA
17	796112260014	HANDEL;A-320T	1	EA
16	796112012001	HOLDER,SCREW;A-SERIES	4	EA
15	796112092011	BRKT;LF,HOLDER;A-SERIES	1	EA
14	797500100023	DOOR LOCK (TIFCO TA25N7)	1	EA
13	796112092010	BRKT;RH,HOLDER;A-SERIES	1	EA
12	796112012002	HOLDER,2ND SCREW;A-SERIES	2	EA
11	796112130001	CAP;SPEAKER,HOUSING,A-760	2	EA
10	796112160001	RUBBER;SPEAKER,A-760	2	EA
9	791961121001	CABLE ASSY;SPEAKER,R,J6,A-760	1	EA
8	797501000022	RUBBER;9*4.5H(神機AR-343)	2	EA
7	796118032010	MYLAR;SPEAKER,A4.1",A770	2	EA
6	7970K1902040	SCR;M2L4,FLT,FE,ZNB,NLK	4	EA
5	796112410001	DOOR HINGE;SUS,A-320T	2	EA
4	SEE SHT NO. 1 OF 5			
3	796112060012	RBBBER CUSHINO;A-SERIES	2	EA
2	796112150050	EJECTOR;A-760	1	EA
1	796112310002	SCREW;EJECTOR,M2,A-760T	2	PC

GENERAL TOLERANCE ±						
GRADE	MACHINING			STAMPING		
NOM. SIZE	Fine	Med.	Coarse	A	B	C
Over To 6	0.05	0.1	0.2	—	—	—
6 30	0.1	0.2	0.5	0.1	0.15	0.25
30 120	0.15	0.3	0.8	0.15	0.25	0.45
120 315	0.2	0.5	1.2	0.2	0.4	0.6
315 1000	0.3	0.8	2	0.3	0.6	1.1
1000 2000	0.5	1.2	3	0.5	1.1	1.8

LTR	REVISION	BY	APPR	DATE	ECO/NO.

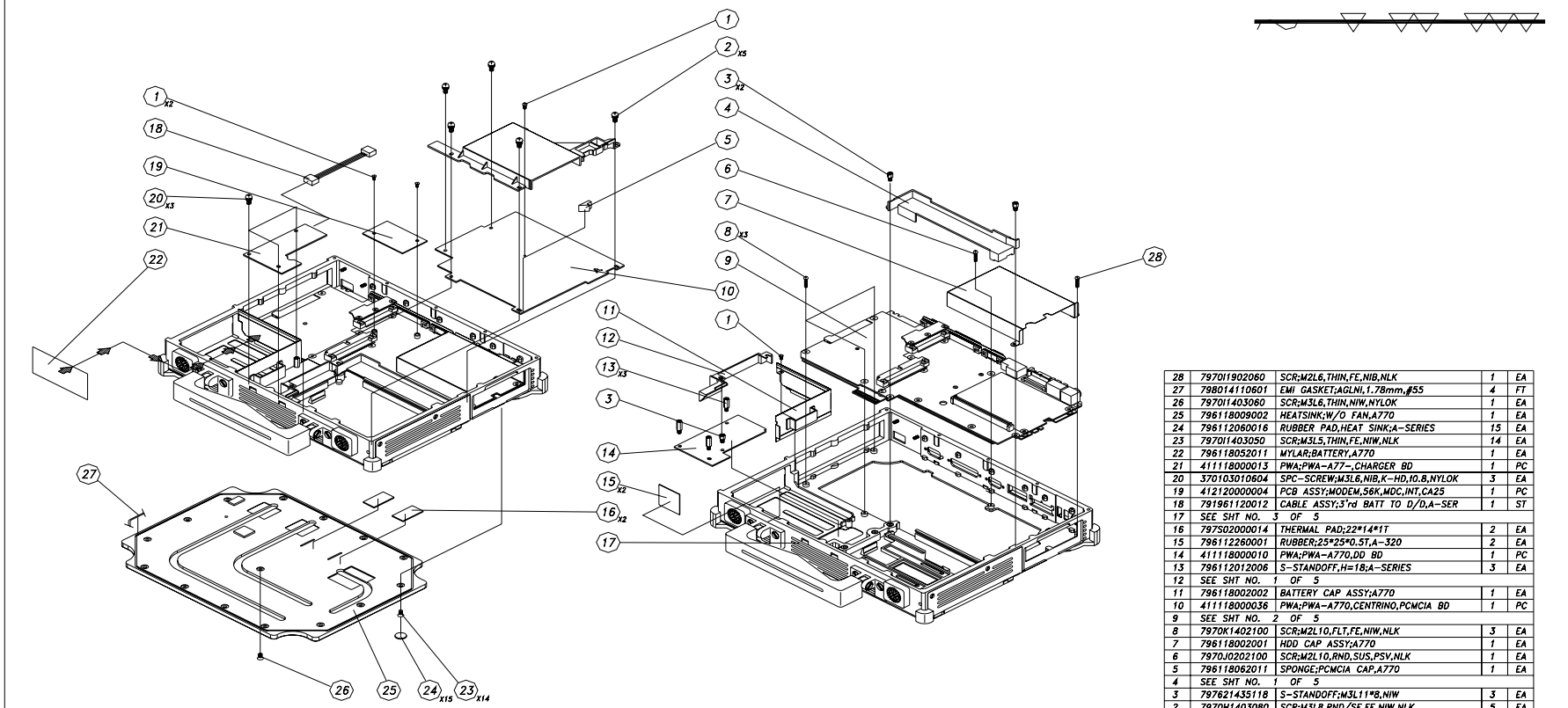
UNIT | SCALE | Q'TY

DRAWN ??? | DSGN | CHKD | APPR

MAT'L

MAT'L/NO

Figure 5 Housing Assy; MBD, CENTRINO, A770



ITEM	P/N	DESCRIPTION	Q'TY	UNIT
28	7970I1902060	SCR;M2L6,THIN,FE,NIB,NLK	1	EA
27	798014110601	EMI GASKET;AGLNI,1.78mm,#55	4	FT
26	7970I1403060	SCR;M3L6,THIN,NIW,NYLOK	1	EA
25	796118009002	HEATSINK;W/O FAN,A770	1	EA
24	796112060016	RUBBER PAD,HEAT SINK;A-SERIES	15	EA
23	7970I1403050	SCR;M3L5,THIN,FE,NIW,NLK	14	EA
22	796118052011	MYLAR;BATTERY,A770	1	EA
21	411118000013	PWA;PWA-A77-,CHARGER BD	1	PC
20	370103010604	SPC-SCREW;M3L6,NIB,K-HD,10.8,NYLOK	3	EA
19	412120000004	PCB ASSY;MODEM,56K,MDC,INT,CA25	1	PC
18	791961120012	CABLE ASSY;3'rd BATT TO D/D,A-SER	1	ST
17	SEE SHT NO. 3 OF 5			
16	797S02000014	THERMAL PAD;22*14*1T	2	EA
15	796112260001	RUBBER;25*25*0.5T,A-320	2	EA
14	411118000010	PWA;PWA-A770,DD BD	1	PC
13	796112012006	S-STANDOFF,H=18;A-SERIES	3	EA
12	SEE SHT NO. 1 OF 5			
11	796118002002	BATTERY CAP ASSY;A770	1	EA
10	411118000036	PWA;PWA-A770,CENTRINO,PCMCIA BD	1	PC
9	SEE SHT NO. 2 OF 5			
8	7970K1402100	SCR;M2L10,FLT,FE,NIW,NLK	3	EA
7	796118002001	HDD CAP ASSY;A770	1	EA
6	7970J0202100	SCR;M2L10,RND,SUS,PSV,NLK	1	EA
5	796118062011	SPONGE;PCMCIA CAP,A770	1	EA
4	SEE SHT NO. 1 OF 5			
3	797621435118	S-STANDOFF;M3L11*8,NIW	3	EA
2	7970H1403080	SCR;M3LB,RND/SF,FE,NIW,NLK	5	EA
1	7970I1902040	SCR;M2L4,THIN,FE,ZNB,NYLOK	4	EA

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LTR	REVISION	BY	APPR	DATE	ECO/NO.

GENERAL TOLERANCE ±

NOM. SIZE	MACHINING Fine	MACHINING Med.	MACHINING Coarse	STAMPING A	STAMPING B	STAMPING C
Over To 6	0.05	0.1	0.2	—	—	—
6 30	0.1	0.2	0.5	0.1	0.15	0.25
30 120	0.15	0.3	0.8	0.15	0.25	0.45
120 315	0.2	0.5	1.2	0.2	0.4	0.6
315 1000	0.3	0.8	2	0.3	0.6	1.1
1000 2000	0.5	1.2	3	0.5	1.1	1.6

DATE 93.02.20 | MAT'L

UNIT | SCALE | Q'TY

DRAWN ??? | DSGN | CHKD | APPR

TITLE: HOUSING ASSY;MBD,CENTRINO,A770

ISSUE: A

MAT'L/NO: AD 79191 1180 002

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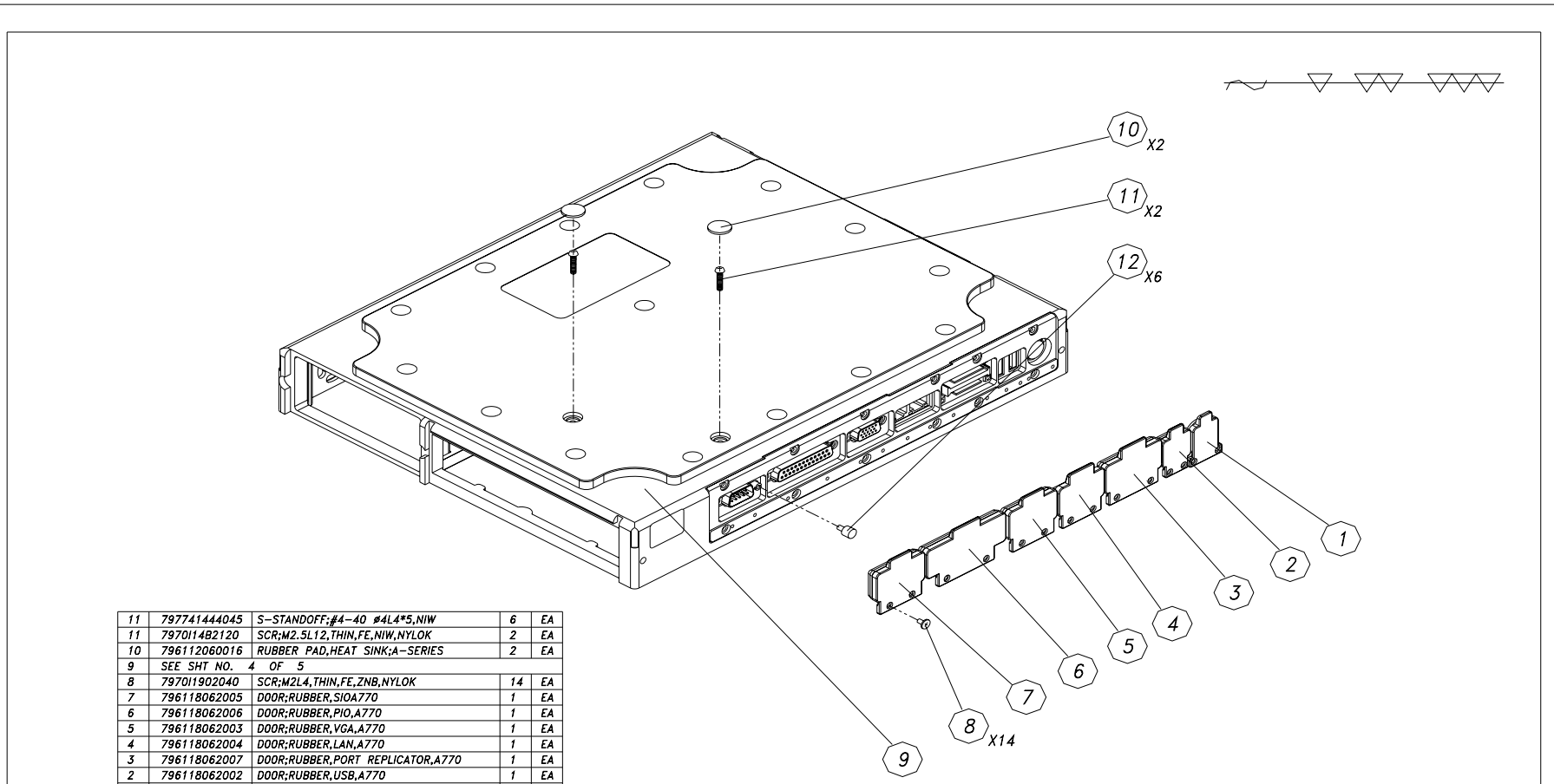
SHT NO. 4 OF 5

Figure 6 Housing Assy; MBD, CENTRINO, A770



ITEM	P/N	DESCRIPTION	Q'TY	UNIT
11	797741444045	S-STANDOFF;#4-40 ø4L4*5,NIW	6	EA
11	7970114B2120	SCR;M2.5L12,THIN,FE,NIW,NYLOK	2	EA
10	796112060016	RUBBER PAD,HEAT SINK;A-SERIES	2	EA
9	SEE SHT NO. 4 OF 5			
8	797011902040	SCR;M2L4,THIN,FE,ZNB,NYLOK	14	EA
7	796118062005	DOOR;RUBBER,SIOA770	1	EA
6	796118062006	DOOR;RUBBER,PIO,A770	1	EA
5	796118062003	DOOR;RUBBER,VGA,A770	1	EA
4	796118062004	DOOR;RUBBER,LAN,A770	1	EA
3	796118062007	DOOR;RUBBER,PORT REPLICATOR,A770	1	EA
2	796118062002	DOOR;RUBBER,USB,A770	1	EA
1	796118062001	DOOR;RUBBER,POWER,A770	1	EA

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LTR	REVISION	BY	APPR	DATE	ECO/NO.

GENERAL TOLERANCE ±

NOM. SIZE	MACHINING Fine	MACHINING Med.	MACHINING Coarse	STAMPING A	STAMPING B	STAMPING C
Over To 6	0.05	0.1	0.2	—	—	—
6 30	0.1	0.2	0.5	0.1	0.15	0.25
30 120	0.15	0.3	0.8	0.15	0.25	0.45
120 315	0.2	0.5	1.2	0.2	0.4	0.6
315 1000	0.3	0.8	2	0.3	0.7	1.1
1000 2000	0.5	1.2	3	0.5	1.1	1.8

DATE 93.02.20 | MAT'L | UNIT | SCALE | Q'TY

DRAWN ??? | CHKD | CHKD | APPR

TITLE: HOUSING ASSY;MBD,CENTRINO,A770

ISSUE A

MAT'L/NO AD 79191 1180 002

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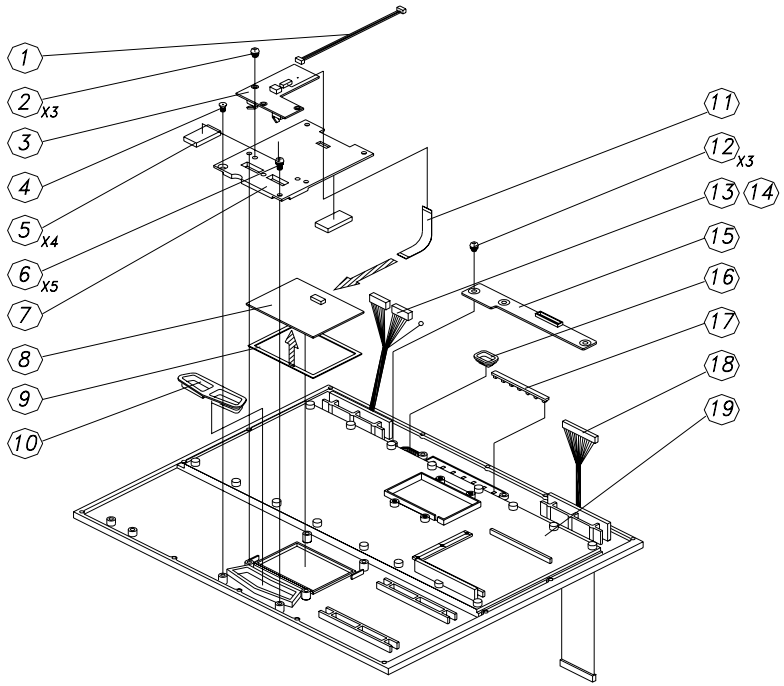
SHT NO. 5 OF 5

Figure 7 Housing Assy; MBD, CENTRINO, A770



ITEM	P/N	DESCRIPTION	Q'TY	UNIT
19	796118090006	COVER;CHASSIS,A770	1	EA
18	422118000001	CABLE ASSY;M/B TO12.1"LCD,A770	1	EA
17	796112051014	LED WINDOW;A-SERIES	1	EA
16	796112061017	BUTTON,POWER,A-SERIES	1	EA
15	411118000027	PWA;PWA-A770,CENTRINO LED&BUTTON SW BD	1	PC
14	422118000014	CABLE ASSY;I/O TO TOUCH SCREEN,A770	1	EA
13	421112600002	CABLE ASSY;MB TO INVR BD,A320S-7	1	EA
12	7970H1403060	SCR;M3L6,RND/SF,FE,NIW,NLK	3	EA
11	793901111011	PCB;TRACK PAD CONN,I-SERIES	1	PC
10	796112001000	SWITCH COMP.,TRACK PAD;A-SERIES	1	EA
9	796111360006	DOUB TAPE,TRACK PAD;L-SERIES	1	EA
8	795680000001	TRACK PAD;PS/2,61*40mm,ALPS	1	EA
7	796112051005	BRKT,TRACK PAD;A-SERIES(PLASTIC)	1	EA
6	7970I1903060	SCR;M3L6,THIN,ZNB,NYLOK	5	EA
5	797S01000004	RUBBER PAD;AS-232 T=4(神基)	4	EA
4	7970K0203060	SCR;M3L6,FLT,SUS,PSV,NLK	1	EA
3	411118000042	PWA;PWA-A770,TRACK PAD SW BD	1	PC
2	7970I1403050	SCR;M3L5,THIN,FE,NIW,NLK	3	EA
1	791961120006	CABLE ASSY;KEYBOARD TO TKPD,W/O MK	1	EA

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LTR	REVISION	BY	APPR	DATE	ECO/NO.

GENERAL TOLERANCE ±

NOM. SIZE \ GRADE	MACHINING Fine	MACHINING Med.	MACHINING Coarse	STAMPING A	STAMPING B	STAMPING C
Over To 6	0.05	0.1	0.2	—	—	—
6 30	0.1	0.2	0.5	0.1	0.15	0.25
30 120	0.15	0.3	0.8	0.15	0.25	0.45
120 315	0.2	0.5	1.2	0.2	0.4	0.6
315 1000	0.3	0.8	2	0.3	0.7	1.1
1000 2000	0.5	1.2	3	0.5	1.1	1.8

DATE 93.02.23 | MAT'L | UNIT | SCALE | Q'TY | DRAWN ??? | CHKD | CHKD | APPR

TITLE: COVER ASSY;KBD,CENTRINO,A770-7

MAT'L/NO: AD 79194 1180 101

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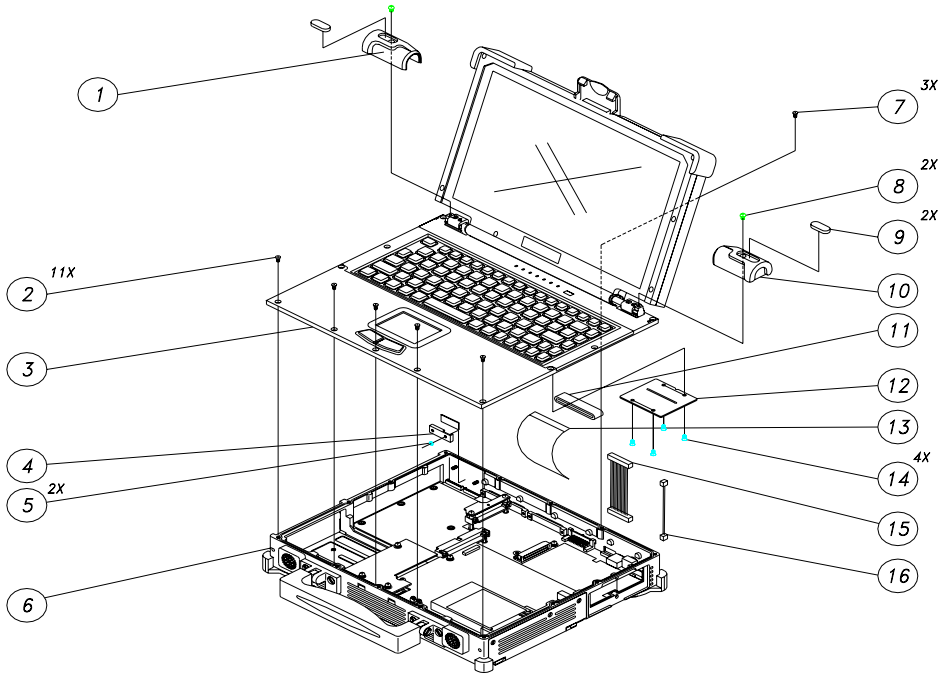
Figure 8 Cover Assy; KBD, CENTRINO, A770-7



ITEM	P/N	DESCRIPTION	Q'TY	UNIT	
16	421112300001	CABLE ASSY;2P,LED BD TO MBD,A760T	1	ST	
15	791961120002	CABLE ASSY;LED TO MBD,W/O,A-SERIES	1	EA	
14	7970I1403050	SCR;M3L5,THIN FE,NIW,NLK	4	EA	
13	795861109902	CABLE;FLAT,1.0MM,40W,FPC,L=130MM	1	PC	
12	796112130004	BRKT;COVER CHASSIS,A-760	1	EA	
11	795941300002	CORE;FERRITE CORE FOR FPC,W50*L12	1	EA	
10	796112000002	RUBBER HINGE,RH;A-SERIES	1	EA	
9	796112061019	COVER,SCREW;A-SERIES	2	EA	
8	7970J0203080	SCR;M3L8,RND,SUS,PSV,NLK	2	EA	
7	7970L0103070	SCR;M3L7,THIN FLT,SUS,BCT,NLK	3	EA	
6	791911180002	HOUSING ASSY;MBD,CENTRINO,A770	1	EA	(註)
5	797210203024	NUT;M3,HEX,SUS,PSV	2	EA	
4	796118018001	BRKT;EMI,VGA CABLE,A770	1	EA	
3	791911180052	UPPER ASSY;CENTRINO,A770-7	1	EA	(註)
2	7970L0103090	SCR;M3L9,THIN FLT,SUS,BCT,NLK	11	EA	
1	796112000001	RUBBER HINGE,LF;A-SERIES	1	EA	

註: 參考系統組裝BOM

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LTR	REVISION	BY	APPR	DATE	ECO/NO.

GENERAL TOLERANCE ±

NOM. SIZE \ GRADE	MACHINING Fine	MACHINING Med.	MACHINING Coarse	STAMPING A	STAMPING B	STAMPING C
Over To 6	0.05	0.1	0.2	—	—	—
6 30	0.1	0.2	0.5	0.1	0.15	0.25
30 120	0.15	0.3	0.8	0.15	0.25	0.45
120 315	0.2	0.5	1.2	0.2	0.4	0.6
315 1000	0.3	0.8	2	0.3	0.7	1.1
1000 2000	0.5	1.2	3	0.5	1.1	1.8

DATE 93.02.23 | MAT'L | UNIT | SCALE | Q'TY

DRAWN ??? | DSGN | CHKD | APPR

TITLE: MECHANICAL KIT;CENTRINO,A770

ISSUE A

MAT'L/NO: AD 79191 1180 105

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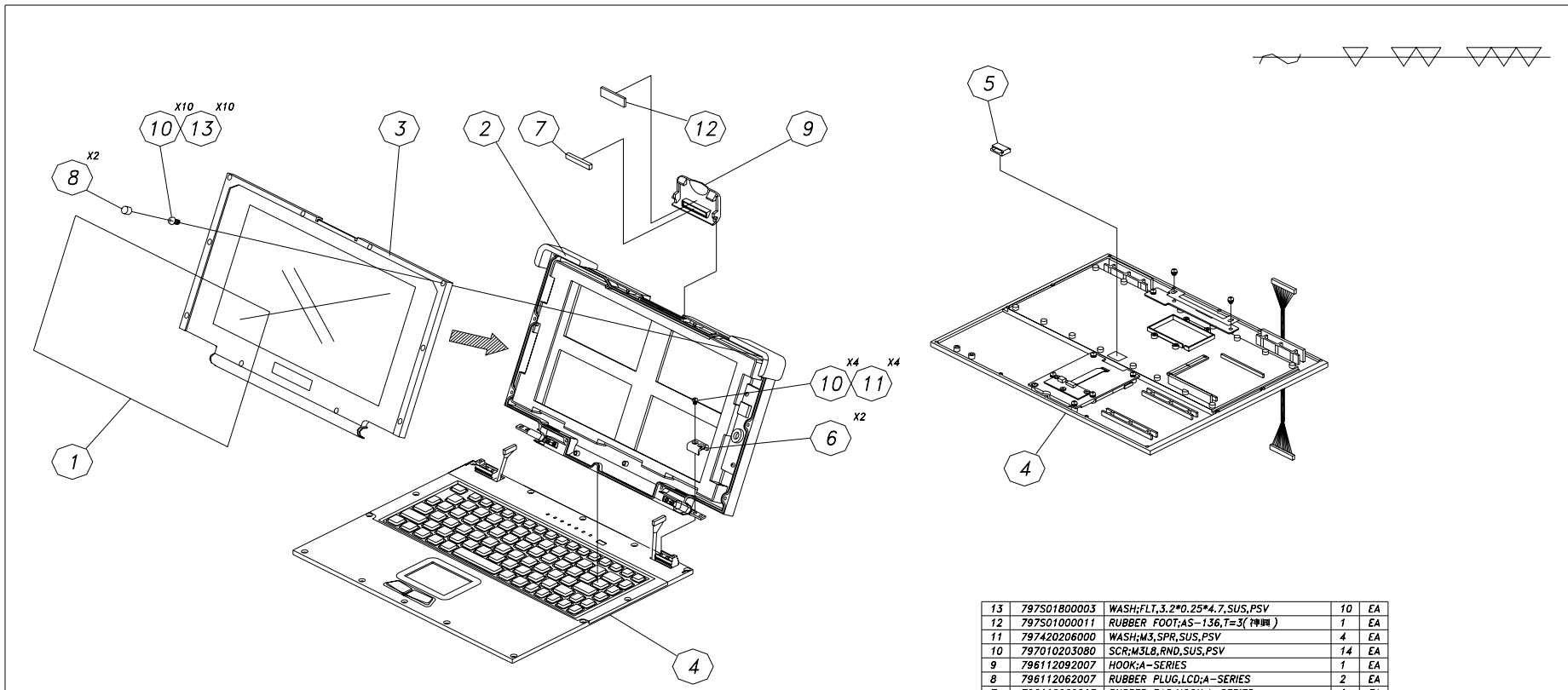
SHT NO. 1 OF 1

Figure 9 Mechanical Kit; LCD, CENTRINO, A770



ITEM	P/N	DESCRIPTION	Q'TY	UNIT
13	797S01800003	WASH;FLT,3.2*0.25*4.7,SUS,PSV	10	EA
12	797S01000011	RUBBER FOOT;AS-136,T=3(神基)	1	EA
11	797420206000	WASH;M3,SPR,SUS,PSV	4	EA
10	797010203080	SCR;M3L8,RND,SUS,PSV	14	EA
9	796112092007	HOOK;A-SERIES	1	EA
8	796112062007	RUBBER PLUG,LCD;A-SERIES	2	EA
7	796112060013	RUBBER PAD;HOOK;A-SERIES	1	EA
6	796112031006	BRKT HINGE;A-SERIES	2	EA
5	795984029998	WIRE CLIP;NYLON,2.8*W9.5*L13mm	1	EA
4	791941180101	COVER ASSY;KBD,CENTRINO,A770-7	1	ST
3	791941180051	COVER ASSY;LCD,CENTRINO,A770-7	1	ST
2	791941180002	HOUSING ASSY;LCD,CENTRINO,A770-7	1	ST
1	346600000017	FILM;LCD PROTECTOR,12.1",200*270	1	PC

FILE NAME C:\DWG\1180\ASSY\AD79191052.DWG

LTR	REVISION	BY	APPR	DATE	ECO/NO.

GENERAL TOLERANCE ±

NOM. SIZE / GRADE	MACHINING Fine	MACHINING Med.	MACHINING Coarse	STAMPING A	STAMPING B	STAMPING C
Over To 6	0.05	0.1	0.2	—	—	—
6 30	0.1	0.2	0.5	0.1	0.15	0.25
30 120	0.15	0.3	0.8	0.15	0.25	0.45
120 315	0.2	0.5	1.2	0.2	0.4	0.6
315 1000	0.3	0.8	2	0.3	0.7	1.1
1000 2000	0.5	1.2	3	0.5	1.1	1.8

DATE	MAT'L	UNIT	SCALE	Q'TY
93.02.23				

DRAWN	CHKD	CHKD	APPR
???			

TITLE: UPPER ASSY;CENTRINO,A770-7

ISSUE: A

MAT'L/NO: AD 79191 1180 052

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Figure 10 Upper Assy; CENTRINO, A770-7